

19990608.qrp v01\_n482.qrl.990608

Date: Tue, 8 Jun 1999 19:03:25 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1482

## QRP-L Digest 1482

Topics covered in this issue include:

- 1) [42234] Re: Final HamCom Preregistration List  
by "KA5T Larry Wise" <lewise@inetport.com>
- 2) [42235] re: HamCom preregistration list sort  
by "ke5tc" <ke5tc@crosstel.net>
- 3) [42236] Re: Elmer205 Part1 [long]  
by "S. M. Whitehouse" <ke4yh@email.msn.com>
- 4) [42237] Re: Elmer205 Part1 [long]  
by "Ron Smith" <resmith666@uswest.net>
- 5) [42238] Cap Kit Arrives in NJ  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 6) [42239] Re: QRP FT-7 for swap  
by Terry Bendell <terryb@bmts.com>
- 7) [42240] SLQS LM380 Audio Amps  
by David Gauding <david.gauding@bbs.galilei.com>
- 8) [42241] Doing the Tuna Tin Happy Dance!!!!  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 9) [42242] Looking for a paddle!  
by trl@mstg.net
- 10) [42243] Sched for friend.  
by Kenneth R Wezeman <n9qil@juno.com>
- 11) [42244] Variable Bandpass Tuning  
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 12) [42245] HR correspondence courses  
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 13) [42246] QRP-L CD addresses?  
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>
- 14) [42247] Fw: Final preregistration list  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 15) [42248] GQRP membership- Wow!  
by D Bullard <dbullard@negia.net>
- 16) [42249] Elmer 205 Part 1  
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 17) [42250] Re: Elmer205 Part1 [long]  
by Pete Burbank <plburbank@kih.net>
- 18) [42251] Re: Elmer205 Part1 [long]  
by David Hinerman <wd8civ@worldnet.att.net>
- 19) [42252] Re: radio store in Toronto

- by David Hinerman <wd8civ@worldnet.att.net>
- 20) [42253] Keyer Interface  
by Willie Martin <71052.134@compuserve.com>
- 21) [42254] 'puters  
by Pete Burbank <plburbank@kih.net>
- 22) [42255] Re: 'puters  
by "Ian C. Purdie" <purdic@integritynet.com.au>
- 23) [42256] Re: Keyer Interface  
by Bob Patten <n4bp@bc.seflin.org>
- 24) [42257] Field Day Listings time again  
by "Bill Todd" <bill@willapabay.org>
- 25) [42258] Re: Cute and Cuddly CW  
by Dan Presley <talljazz@teleport.com>
- 26) [42259] Re: Antenna question  
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 27) [42260] Re: Antenna question  
by "David Reid" <dareid@Synopsys.COM>
- 28) [42261] Wireless Fantasy  
by iapizloj@bicc00.bi.ehu.es (Jon Iza)
- 29) [42262] Re: GQRP membership- Wow!  
by George F Franklin <w0av@juno.com>
- 30) [42263] The mighty TTT .....  
by "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>
- 31) [42264] Re: Bench Power Supply  
by Nick Kennedy <nkennedy@cswnet.com>
- 32) [42265] RST question.  
by frank lauri <qrrp@yahoo.com>
- 33) [42266] Capacitor Q  
by Zack Lau <zlau@arrl.org>
- 34) [42267] Re: ElmeRadio (Regen)  
by Bruce Kizerian <kizerian@ced.utah.edu>
- 35) [42268] Humor Repost Re: RST question.  
by "Paul R. Valko" <prvalko@oakland.edu>
- 36) [42269] Re: RST question.  
by m9bw990@ix.netcom.com
- 37) [42270] FS: Ten-Tec Argo QRP Xcvr  
by russ behm <russbehm@silcom.com>
- 38) [42271] RE: Field Day Listings time again  
by "Rattray, Bruce" <Rattray@siast.sk.ca>
- 39) [42272] re: HamCom preregistration list sort  
by "KA5T Larry Wise" <lewise@inetport.com>
- 40) [42273] Re: RST question.  
by tbowman@nbn.net
- 41) [42274] Re: RST question.  
by Karl.Kanalz@optelinc.com
- 42) [42275] RE: SG2020  
by Larry East <w1hue@amsat.org>
- 43) [42276] in Los Alamos during FD weekend

by "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>  
44) [42277] Re: RST question.  
by Dave Sjolin <sjolin@swbell.net>  
45) [42278] Re: RST question.  
by "Robert M. Ganter" <hb9dnn@gmx.net>  
46) [42279] WPX contest score  
by "Edward A Kwik jr" <eakwikjr@hti.com>  
47) [42280] Re: The mighty TTT .....  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>  
48) [42281] Re:  
by Bruce Kizerian <kizerian@ced.utah.edu>  
49) [42282] RE: Variable PS  
by Larry East <w1hue@amsat.org>  
50) [42283] Re: radio store in Toronto  
by Laura Halliday <lha@sdr.utias.utoronto.ca>  
51) [42284] NA3V wins WIQP QRP piggyback contest  
by Bcieslak@ra.rockwell.com  
52) [42285] ElmeRadio PDF  
by Bruce Kizerian <kizerian@ced.utah.edu>  
53) [42286] Re: RST question.  
by Ron Stark <ku7y@dri.edu>  
54) [42287] Re: Humor Repost Re: RST question.  
by Stanley Wilson <microres@crl.com>  
55) [42288] Re: Antenna question  
by John R Kirby <n3aaz-qrp@juno.com>  
56) [42289] Re: ElmeRadio PDF  
by Bill\_Henderson@ocdsb.edu.on.ca (Bill Henderson)  
57) [42290] ElmeRadio GIF files  
by Bruce Kizerian <kizerian@ced.utah.edu>  
58) [42291] RE: Field Day Listings time again  
by Bob Patten <n4bp@bc.seflin.org>  
59) [42292] PSK31 interface  
by DJ Rock <b2bn@hotmail.com>  
60) [42293] Re: in Los Alamos during FD weekend  
by kellner@acsys.com (Richard Kellner)  
61) [42294] Re: Humor Repost Re: RST question.  
by "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>  
62) [42295] Power supply question for kits?  
by Kirk Job Sluder <csluder@indiana.edu>  
63) [42296] Keyer Interface  
by Willie Martin <71052.134@compuserve.com>  
64) [42297] PSK31 Foxhunt  
by "Michael A. Gipe" <mgipe@reliablemeters.com>  
65) [42298] Mea Cupla -- Re: The mighty TTT .....  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>  
66) [42299] ARRL TIS Database  
by "Ed Hare, W1RFI" <w1rfi@arrl.net>  
67) [42300] AW: SG2020

by "Peter Zenker" <Peter\_DL2FI@csi.com>  
68) [42301] Re: Norcal 40 to other bands\!!\!?  
by Zack Lau <zlau@arrl.org>  
69) [42302] Re: RST question.  
by Scott Howell <whowell@hq.nasa.gov>  
70) [42303] 2N2/40 Board Kits  
by Bob Hightower <ki7mn@extremezone.com>  
71) [42304] ElmeRadio Coil Part No.  
by Bruce Kizerian <kizerian@ced.utah.edu>  
72) [42305] Addendum / Correction  
by "Peter Zenker" <Peter\_DL2FI@csi.com>  
73) [42306] Business opportunity?  
by wd8civ@att.net  
74) [42307] Re: SWR Bridges, power & "non-inductive" resistors  
by Tayloe Dan-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
75) [42308] Re: Power supply question for kits?  
by Jeff <fantbb@yahoo.com>  
76) [42309] RE: Business opportunity?  
by "Michael Seedman" <mseedman@interaccess.com>  
77) [42310] Re: Power supply question for kits?  
by mikemo@ibm.net  
78) [42311] HamCom and 2N22/40 boards  
by "Chuck Adams K5F0" <adams@ticnet.com>  
79) [42312] File' gumbo quad Wire/Rope  
by hamjoel@juno.com

-----  
Date: Mon, 07 Jun 1999 23:01:33 -0700  
From: "KA5T Larry Wise" <lewise@inetport.com>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [42234] Re: Final HamCom Preregistration List  
Message-ID: <199906072303.SAA15369@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

On Mon, 7 Jun 1999 17:22:39 -0400, Richard Brummer wrote:

>...  
>Larry, maybe you could sort it by call district. If I could have made it, I  
>guess I'd be the only "2" in the crowd.  
>...  
>Dick K2REB  
>

Hey... Look at that! No 2s, no 7s, no 9s.....

Ain't data processin' grand?... :-)

Larry KA5T

Sorted by number in call -----

38.	Dan	Copeland	-	N0DT	
106.	Dwain	Lawhon	-	K0LOA	
43.	Tom	Stibal	-	W0TJ	
75.	Lee	Bahr	-	W0VT	
60.	Mike	Gipe	-	K1MG	
35.	Larry	Brandon	-	K1ZW	
31.	Larry	Brandon	-	K1ZW	
68.	David	Kreinberg	-	NR3E	
6.	Graham	Firth	-	G3MFJ	/W3MFJ
8.	George	Dobbs	-	G3RJV	
65.	Ed	Geiger	-	KD4AB	
82.	Dave	Redfern	-	N4ELM	
86.	Jim	Stafford	-	W4Q0	
7.	Tony	Fishpool	-	G4WIF	/K4WIF
87.	Marilyn	Stafford	-	K4ZOL	
17.	George	Pierce	-	WA5ABS	
66.	Justin	McAllister	-	K5AEA	
32.	Steve	Lowrey	-	K5ATY	
91.	Jerry	Wilson	-	NN5B	
62.	Scott	Weathersby	-	AA5BK	
34.	Jonathan	Setcer	-	KC5BRY	
36.	George	Lee	-	KR5C	
90.	Steve	Pan	-	KF5C	
67.	Brad	Bradfield	-	W5CGH	
80.	David	Conant	-	KD5CPT	
63.	Ted	Kell	-	KC5CUW	
45.	Paul	Smith	-	KD5DBO	
84.	Stew	Stewart	-	KD5DL	
25.	Burl	Keeton	-	N5DUQ	
9.	Ed	Manuel	-	N5EM	
105.	Ron	Phillips	-	WJ5F	
13.	Chuck	Adams	-	K5F0	
88.	Martin	Jue	-	K5FLU	
102.	Tim	Ahrens	-	W5FN	
77.	Todd	Foster	-	KD5FUF	
18.	Glen	Reid	-	K5FX	/M0BGF
93.	James	Rue	-	KC5HAC	
72.	Junius	Fox	-	W5HIR	
46.	Henry	Schneider	-	W5HNS	
58.	Robert	Lucas	-	WD5IBX	
74.	Jerome	Doerrie	-	K5IS	

73.	Bobette	Doerrie	-	N5IS
12.	Jay	Bromley	-	W5JAY
51.	Bill	Pierrard	-	K5JHP
48.	Richard	Kapalczynski	-	N5JI
39.	Wes	Spence	-	AC5K
70.	Charlie	Crouchet	-	WA5KRF
29.	Kelsey	Mikel	-	KK5KU
10.	Stuart	Rohre	-	K5KVH
108.	Michael	Hopkins	-	AB5L
23.	John	Carter	-	W5LGO
15.	Paul	Harden	-	NA5N
2.	Joe	Spencer	-	KK5NA
37.	John	Langridge	-	KB5NJD
89.	Richard	Stubbs	-	KC5NSZ
71.	John	Moore	-	KK5NU
95.	Ron	Sparks	-	KC5ODM
61.	Tim	Pettibone	-	K5OI
96.	Larry	Jones	-	N5OSG
103.	Chris	Spence	-	KA5PXX
97.	Anthony	Dick	-	KC5PXW
3.	Barbra	Spencer	-	KK5QA
104.	Dale	LeDoux	-	KD5QI
24.	Vernon	Hatley	-	KK5RO
107.	Jerry	Decker	-	N5RV
41.	Ron	Hambric	-	N5SBN
81.	Roy	Throne	-	KB5STV
11.	Larry	Wise	-	KA5T
1.	Doc	Drake	-	W5TB
40.	Steve	Yates	-	AA5TB
14.	Royce	Rainwater	-	KE5TC
94.	Jay	Proffitt	-	KC5TXX
50.	Dave	Little	-	AF5U
55.	Terry	Myers	-	KQ5U
20.	Clif	Sikes	-	AB5UA
69.	Oscar	Hoyt	-	K5UBS
42.	Alex	Kaplinsky	-	K5UNY
26.	Bob	Hynd	-	N5URL
100.	Darrell	Brooks	-	WA5VGO
85.	Alison	Brandon	-	KC5VJC
64.	Gary	Hanson	-	KJ5VW
99.	Chuck	Sanders	-	N05W
52.	Bart	Lawson	-	N5WL
47.	Phil	Salas	-	AD5X
76.	Paul	Conant	-	WQ5X
21.	Dick	Stemson	-	KK5XO
92.	David	White	-	WN5Y
33.	Keith	Newman	-	K5YCM
53.	Dave	Martin	-	K5YFO

19.	Dub	Thornton	-	WA5YFY	
101.	Huey	Holden	-	WB5YLQ	
49.	Bob	Helms	-	AF5Z	
54.	John	Sanders	-	AB5ZR	
98.	Amanda	Dick	-	KC5ZRA	
44.	Bill	Steitenroth	-	K5ZTY	
4.	Doug	Hendricks	-	KI6DS	/M0BIV
22.	Vic	Turner	-	WA6EIW	
5.	Jim	Cates	-	WA6GER	
56.	Veda	Henson	-	KF6JHC	
28.	Jim	Duffy	-	KK6MC	
30.	Vern	Wright	-	W6MMA	
16.	Jerry	Parker	-	WA6OWR	
57.	Norm	Melick	-	KQ6SD	
78.	Gody	Siason	-	AC6UV	
59.	Dave	Fifield	-	AD6Y	
27.	Jim	Kortge	-	K8IQY	
79.	Karl	Kanalz	-	W8TIF	
83.	Dennis	Cobb	-	WA8ZBT	

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Date: Mon, 7 Jun 1999 18:25:49 -0500  
 From: "ke5tc" <ke5tc@crosstel.net>  
 To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
 Subject: [42235] re: HamCom preregistration list sort  
 Message-ID: <008401beb13d\$14bcee00\$d96c1ece@ke5tc>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit  
 Content-Transfer-Encoding: 7bit

Larry:  
 I assume the sort was done with a qrp computer?

de ke5tc

-----

Date: Sat, 7 Aug 1999 19:52:39 -0400  
From: "S. M. Whitehouse" <ke4yh@email.msn.com>  
To: <adams@ticnet.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [42236] Re: Elmer205 Part1 [long]  
Message-ID: <000601bee12f\$f2657340\$aee5fad0@default>

To download Winspice3 change "freeware" to "freeserve"  
in the address Chuck gave.

<<http://www.willingham2.freeserve.co.uk/winspice.htm>>.

72

Stew ke4yh

Send email to ke4yh@arrl.net

-----  
Date: Mon, 7 Jun 1999 18:07:33 -0600  
From: "Ron Smith" <resmith666@uswest.net>  
To: <ke4yh@email.msn.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [42237] Re: Elmer205 Part1 [long]  
Message-ID: <023c01beb142\$eb57a4a0\$0400a8c0@ron1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I found that this URL works much better... ;-)

<http://www.willingham2.freeserve.co.uk/winspice.html>

Funny how a missing 'l' can cause havoc.

72 to all...

Ron - KD7VD

-----  
Date: Mon, 07 Jun 1999 20:55:57 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [42238] Cap Kit Arrives in NJ  
Message-ID: <375C6A1D.FA0A31EA@home.com>



MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Great bunch of caps for many projects to come. NorCal does it again.  
Thanks guys.

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T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

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Date: Tue, 08 Jun 1999 09:10:24 +500  
From: Terry Bendell <terryb@bmts.com>  
To: <qrp-1@Lehigh.edu>  
Subject: [42239] Re: QRP FT-7 for swap  
Message-ID: <199906080113.VAA11626@Alice.BMTS.Com>  
MIME-Version: 1.0

The FT-7 Works fine except for the fact that the PA is missing, it runs directly off the pre-drive and into the lp network no problems. You could build a linear pa for about 40 bucks in parts but I just use it as a qrp rig. For a while I was using the Ramsey PA-1 to boost it up to about 2 watts output but found little difference between the 200 milliwatts and the 2 watts. Either way you go it works fine.

Can you tell me a little more about the Norcal 40A and the SSt-20? cw? output? vfo or vxo?

73  
Terry

QRPP - Only the weakest survive

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Date: Mon, 07 Jun 1999 20:12:49 -0500  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [42240] SLQS LM380 Audio Amps  
Message-ID: <1.5.4.32.19990608011249.0097c408@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Dear OM/YL,

Announcing the St. Louis QRP Society's LM380 Audio Amp project is again available! We are offering to help support local enthusiasts wishing to start a QRP club. Since 1995, twenty-two requesters received sample kits and well over two-hundred pcb's have been distributed.

The boards were donated to by a former ham who wishes to remain anonymous. The latest version of the circuit was developed by Fred Bonavita, K5QLF (ex-W5QJM). Paul Harden, NA5N did the lab tests and prepared the documentation. This special project is possible thanks to their exceptional contributions to SLQS activities over many, many years!

If you are planning to organize or promote a local QRP club, submit a request and hopefully SLQS can help you with moving things ahead. Prior recipients use the boards for club kits and door prizes, i.e "ham bait"! <g>

The board is solder-masked and silk-screened G-5 glass epoxy. Kitter (or builder) provides (1) LM380N, (4) electrolytics, (2) capacitors, (4) resistors, (1) pot, and connectors as required. The inexpensive I.C. puts out about 2 watts into an 8 ohm speaker or headphones. The amp runs on a +9v battery or +12v DC input and draws 6ma and 9ma respectively. The project can be added to an existing circuit or built as a stand alone audio amplifier.

A typical club package includes one demonstration kit, camera-ready documentation with parts list, and boards to meet your anticipated needs. No charge, of course, but SLQS will appreciate having priority mail postage reimbursed.

Send e-mail requests to [nf0r@slacc.com](mailto:nf0r@slacc.com) and I'll get back to you promptly. We still have a modest reserve of boards and would like to see them going where they can best promote QRP, homebrew and amateur radio.

FOR THE ST. LOUIS QRP SOCIETY

de Dave, NF0R

[nf0r@slacc.com](mailto:nf0r@slacc.com)

-----  
Date: Mon, 07 Jun 1999 21:34:29 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "njqrp@njqrp.org" <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, Bill Cole <billc@dandy.net>, Dave Marshall <n8oay@sprintmail.com>, Don Schimmel <dwschiml@intrepid.net>, Ed Muro <kc2ayc@banet.net>, John McColman <jmccolma@richmond.infi.net>, Jon Cohen <jon@pluto.njcc.com>, Subject: [42241] Doing the Tuna Tin Happy Dance!!!!  
Message-ID: <375C7325.8ED2E52C@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed W1RFI was true to his word. I just signed with him on 7049.68 and I am happy to day theat the orignal Tuna Tin is alive and well and working the bands once again. he was a bit "down in the weeds" but put your headphones on and he should be there. Somewhere I KNOW Doug W1FB is smiling on us all.

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T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----  
Date: Mon, 07 Jun 1999 19:52:53 -0600  
From: trl@mstg.net  
To: qrp-1@Lehigh.EDU  
Subject: [42242] Looking for a paddle!  
Message-ID: <3.0.6.32.19990607195253.00881440@mstg.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi everyone,

I am looking for a "Norcal K8FF" paddle kit to build for my Dad. If you have one that is unbuilt and complete, please send me an e-mail. Would like to build one for Dad.

Thanks a lot!

Tom  
N0DSP

-----  
Date: Mon, 7 Jun 1999 21:15:14 -0500  
From: Kenneth R Wezeman <n9qil@juno.com>  
To: qrp-l@Lehigh.EDU  
Subject: [42243] Sched for friend.  
Message-ID: <19990607.211515.-201261.0.N9QIL@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I have a friend who only needs one state (Delaware) to complete his WAS.  
Is there anyone out there who could help him out?

Please let me know if you can help.

Ken Wezeman, N9QIL - Mishawaka, IN  
QRP ARCI #8191; QRP-L #1416; AK QRP #379  
Dog's name: John

-----  
Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

-----  
Date: Tue, 08 Jun 1999 12:29:03 +1000  
From: "Ian C. Purdie" <purdic@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42244] Variable Bandpass Tuning  
Message-ID: <375C7FEF.F9893CBB@integritynet.com.au>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Has anyone had practical experience with variable band pass tuning of the type described by D2JLR (Ulrich Rhode) in HR about 1976.

Briefly, variable bandwidths from 6 Khz down to 50 Hz can be accommodated by mixing IF's down to a fixed low pass filter e.g. 30 Khz, restore to IF and do side band inversion and again mix down to low pass filter.

The whole scheme succeeds and fails on the sharpness of the low pass filter (I believe)

Thanks  
73's

Ian

-----  
Date: Tue, 08 Jun 1999 12:33:24 +1000  
From: "Ian C. Purdie" <purdic@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42245] HR correspondence courses  
Message-ID: <375C80F4.84BACA97@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

I have had a Physics teacher of a girls' school ask re the availability of a credible amateur radio course by correspondence - preferably VK but not necercelery.

Thanks again

73's

Ian

-----

Date: Tue, 08 Jun 1999 03:04:08 -0400  
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campuscw.net>  
To: qrp-l@lehigh.edu  
Subject: [42246] QRP-L CD addresses?  
Message-ID: <3.0.16.19990608030402.2adf2794@som-uky.campuscw.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anyone keeping a list of burners for the QRP-L CD?

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campuscw.net>  
"The deadly yellow snow from right there where the huskies go" - Zappa

-----  
Date: Mon, 7 Jun 1999 20:19:55 -0700  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: <qrp-l@lehigh.edu>  
Subject: [42247] Fw: Final preregistration list  
Message-ID: <01beb15d\$c80813c0\$630a0d0a@doug.dpol.k12.ca.us>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Larry, you have far too much time on your hands. Grin. I laughed for 10 minutes on this one guys. Larry is an old and good friend, and I look forward to seeing him along with more than a hundred other QRPers in Dallas this weekend. Don't worry, I will only put each name in the drawing one time for the NC20 Kit. And, Jim does not have a new call and did not move to Texas. He was by the way, raised in Texas and his brother still lives there. Jim says it is nice to visit. He must have lost that accent many years ago, because there is not a trace of it left.

I see the Brits have landed, and that they got the regens through customs. Gov. Bush has announced that the borders will be open to all of the baja Kansans this week, Jay Bromley is taking care of heading George Dobbs in the right direction, the plane tickets are ready, I have 1 day of finals done and 3 to go. By the way, for the first time in my 14 years here at Dos Palos, it looks like everyone of my 165 students is going to pass the second

semester of biology. H000RAY!!!!!!!!!!!!!!!!!!!!!! Gave the final today to my worst class, and had 4 A's 6 B's 16 C's and 3 D's with NO, none, nada F's. Yes that is what make me do the happy dance!! See all of you in Dallas late Friday night.

72, Doug, KI6DS

-----  
Date: Mon, 07 Jun 1999 23:39:10 -0400  
From: D Bullard <dbullard@negia.net>  
To: qrp-l@lehigh.edu  
Subject: [42248] GQRP membership- Wow!  
Message-ID: <3.0.5.32.19990607233910.007d77b0@pop.negia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Wow! I think it was the first of last week when I sent my \$14 check to Bill Kelsey (Kanga US) for membership in GQRP. Today (Monday) I received the Spring '99 issue of SPRAT plus other membership info from GQRP. Now that's fast! Thanks to Bill and the GQRP Club.

We have so many great QRP Clubs! I don't think there is another area of ham radio that has so many resources.

72,

Don WA4IML

-----  
Date: Tue, 08 Jun 1999 14:19:10 +1000  
From: "Ian C. Purdie" <purdic@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42249] Elmer 205 Part 1  
Message-ID: <375C99BD.B11D5FB6@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Thanks again to Chuck we have something valuable available in Winspice 3, although the correct link should be:

<http://www.willingham2.freemove.co.uk/winspice.html>

Thanks to Stew. Whitehouse and Ron Smith for the correction.

If you do download Winspice (abt. 1.9 Meg) you will find you will need Word97 to read the tutorial and manual. As recommended in the readme.doc (yes I sometimes read them) you can get a free Word97 viewer from Bill Gates. I found this was the site:

<http://support.microsoft.com/support/downloads/LNP152.asp>

WARNING this file is nearly 4 Meg.

Hope it works for you too. Again thanks to Chuck and others, especially for the helpful intro.

73's

Ian

-----  
Date: Tue, 08 Jun 1999 00:22:53 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [42250] Re: Elmer205 Part1 [long]  
Message-ID: <3.0.32.19990608002248.006ec060@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:07 PM 6/7/99 -0600, you wrote:

>I found that this URL works much better... ;-)

>

><http://www.willingham2.freemove.co.uk/winspice.html>

>

>Funny how a missing 'l' can cause havoc.,

Ya ...THESE 'PUTERATORS ARE DISGUSTINGLY PICKY!!



The one at the FCC kept rejecting my call change form because of an apostrophe in my address when I was changing my call. I'll enjoy talking with "Rolanda" anytime she gets back from wherever.

In the meantime us QRP Mavericks (sp?) need to work out a way to send the "Leetle Neutrinos" back on the the phone line to wreak havoc on the 'puter calling machines.

72/73/88 to all..."Hot..straight, and normal" in the Bluegrass

Pete NV4V vvvvvv ex W4VCT #1@^%&\*\*\*+() (

number ??? who cares...it's not on the test. for help press F1..72

-----  
Date: Tue, 08 Jun 1999 00:50:24 -0400  
From: David Hinerman <wd8civ@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [42251] Re: Elmer205 Part1 [long]  
Message-ID: <3.0.6.32.19990608005024.007a0b60@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Thanks to a posting by David Shalita, W6MIK, on a location for SPICE for  
>the PC, we now have a better program (IMHO) to work with.

Chuck,

THANK YOU! I've been looking for a half-decent circuit modeling program that doesn't whine when you have more than 10 components.

Dave

-----  
Dave Hinerman - WD8CIV

-----  
Date: Tue, 08 Jun 1999 00:57:12 -0400  
From: David Hinerman <wd8civ@worldnet.att.net>  
To: qrp-l@lehigh.edu  
Subject: [42252] Re: radio store in Toronto  
Message-ID: <3.0.6.32.19990608005712.0079a670@postoffice.worldnet.att.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'd like to thank everyone who responded to my question. Looks like a visit to Radioworld is definitely in order. I'll have a car, so transport

shouldn't be a problem.

Dave

-----  
Dave Hinerman - WD8CIV

-----  
Date: Tue, 8 Jun 1999 02:40:15 -0400  
From: Willie Martin <71052.134@compuserve.com>  
To: qrp-l <QRP-L@LEHIGH.EDU>  
Subject: [42253] Keyer Interface  
Message-ID: <199906080240\_MC2-7895-3AC8@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline  
Content-Transfer-Encoding: quoted-printable

Looking for help in obtaining a source for a keyer interface to be used  
with "CT" contest logging program.

72,

Willie C. Martin, KE6DKH/5  
Texarkana, USA

-----  
Date: Tue, 08 Jun 1999 03:28:35 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [42254] 'puters  
Message-ID: <3.0.32.19990608032831.006ef5fc@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Dear gang,  
B4 I get any flame mail let me state that these "\'puters  
are really fine but one should look on them as a tool...  
like a screwdriver...and I admire those who can program them etc.  
But nothing beats a fun QSO on the airwaves.  
Also I would like to mention that new folks beg, borrow ,or steal

a copy of the ARRL Handbook...no matter how old..and READ IT!!!  
If you cannot get a copy free from the troops on this list go to the  
nearest Public Book Place and meet some new people.  
'Nuf sed ...70 whatever Pete NV4V #??????See you on the airwaves..  
30 meters is wide open and got a Ceruti copy viola shaping up in my  
woodshop but better crash...88 ..Pigboat Pete Nv4V

-----  
Date: Tue, 08 Jun 1999 18:17:29 +1000  
From: "Ian C. Purdie" <purdic@integritynet.com.au>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42255] Re: 'puters  
Message-ID: <375CD199.427A21BD@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Pigboat Pete said (for newcomers)

> Also I would like to mention that new folks beg, borrow ,or steal  
> a copy of the ARRL Handbook...no matter how old..and READ IT!!!

If you are a newcomer or not even so new, this is the BIBLE, the expense  
even if bought new is so worthwhile you will never regret it.

My first copy, given to me by my dad is 1943. I have on hand (retained)  
1977 and 1989 which is also the last one I purchased. (O.K. I'm an old  
fuddy duddy).

I have a web site devoted to teaching AR in particular and electronics  
in general. Many questions I am asked on a daily basis could be answered  
from the Handbook index.

You can't beat it.

73's

Ian Purdie

-----

On Tue, 8 Jun 1999, Willie Martin wrote:

>  
I could build you one for the cost of parts and shipping, figure about \$10.  
Would need to know if you want it for com port or printer port, and  
confirmation that it is a solid state rig with positive keyed line (as  
opposed to an older tube rig with negative grid block keying).

0000- ( ) -000

Date: Tue, 8 Jun 1999 02:06:03 -0700  
From: "Bill Todd" <bill@willapabay.org>  
To: "Low Power Amateur Radio Discussion" <grp-l@lehigh.edu>  
Subject: [42257] Field Day Listings time again  
Message-ID: <001401beb18e\$2314f140\$ecadded1@bill>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

It's that time of year again to air out the tent, be certain you have enough bug spray...and of course, make sure that the rig you meant to fix, gets fixed in time for this years' Field Day.

For the past four years, the on line "NWQ" Newsletter has published a list of all QRP Field Day operations around the country, sorted by state. If you are interested in having your Club's operation listed, please include the following information:

-----

Club Name:

Club Call:

Novice/Tech Club Call (if any):

Contact Person  
(incl. E-mail address):

Location of Field Day operation:

Extra Comments:

-----

That's it folks -  
CUL, Bill-N7MFB  
<http://www.willapabay.org/~bill>  
ICQ @ 8926298

-----

Date: Tue, 8 Jun 1999 01:01:06 -0700  
From: Dan Presley <talljazz@teleport.com>  
To: w6toy@erols.com  
Cc: qrp-l@LeHigh.edu  
Subject: [42258] Re: Cute and Cuddly CW  
Message-ID: <v03007825b3827cbdc191@[216.26.5.70]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'd have to respectfully disagree with Bruce on this one. CW is a elegantly simple (in terms of construction), enjoyable language, and if it's done right, it's like good music to the ear. If it's work, then maybe it's not being taught correctly. Of course we all view this differently, but in my case cw is an end to itself, and the license is a means to allow me to use cw with other hams. There's little in life more enjoyable than flipping on the radio and listening to a good fist!

Dan Presley  
talljazz@teleport.com

(503) 232-8244  
pager (503) 229-8682

-----  
Date: Tue, 8 Jun 1999 11:30:09 +0100  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>  
To: <kory@avatar.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [42259] Re: Antenna question  
Message-ID: <009a01beb199\$e36df760\$e7ef5cc3@prsat0xl>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

You might find something of interest in my FAQs on my web site re  
backpacking antennas.  
Best wishes

...  
Frank G3YCC G QRP 042, G QRP Sales Officer.  
QRP web page <http://www.karoo.co.uk/g3ycc/>

----- Original Message -----

From: Kory Hamzeh <kory@avatar.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Monday, June 07, 1999 10:07 PM  
Subject: Antenna question

>  
> Hi Fellow QRP'ers,  
>  
> I'm trying to put together an antenna to use when I got camping. First I  
> must say that I am mostly in a wheelchair, so I need to put together  
> something that I can do from a wheelchair. Secondly, alot of camp sites do  
> not have tall trees, so I think I'm limited to verticals.  
>  
> I've come up with two ideas, and I wanted to know people opinion.  
>  
> 1. Use a fishing pole as a 20 ft whip and radials cut around 20 ft also. I  
> would tune this puppy with a tuner.  
>  
> 2. Use a screwdriver antenna like the high sierra and an alpha delta  
outpost  
> base.  
>

> Method #1 has a larger radiating element and will require a tuner. Method  
#2  
> is a smaller element and has a (somewhat) center loaded coil and does not  
> need a tuner.  
>  
> Which method will be more efficient? I'm open to other ideas as long as  
the  
> setup is fairly straight forward.  
>  
> Thanks & 73's,  
> Kory  
> AC6RN  
>  
>

-----  
Date: Tue, 8 Jun 1999 12:37:36 +0200  
From: "David Reid" <dareid@Synopsys.COM>  
To: qrp-l@lehigh.edu  
Subject: [42260] Re: Antenna question  
Message-ID: <199906081037.MAA06709@gooify.gr05.synopsys.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Ah.... the perenial problem...

Check out the 'up and outer' in the GQRP antenna book...(or some issue  
of SPRAT...about 10 years ago, I think...)  
by 'rocky' W8SCH??? (not sure on his call) basically it is a dipole of wire  
and you stick one leg vertically up a convenient pole (i.e. your fishing  
pole) or tree or building and throw the other leg straight out from the base  
of the antenna support... easy quick - no matching required and works  
really well... and should be OK for a wheelchair user. (or load up the  
wheelchair - knew a ham in ireland who used to do that...)  
Used to kid him that he had to sign /Mobile all the time...HI HI.  
72/73

Dave...  
PA3HBB / G0BZF

Date sent: Tue, 8 Jun 1999 11:30:09 +0100  
Send reply to: frank@g3ycc.karoo.co.uk  
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: Re: Antenna question  
Originally to: <kory@avatar.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

> You might find something of interest in my FAQs on my web site re  
> backpacking antennas.  
> Best wishes  
> ...  
> Frank G3YCC G QRP 042, G QRP Sales Officer.  
> QRP web page <http://www.karoo.co.uk/g3ycc/>  
> ----- Original Message -----  
> From: Kory Hamzeh <kory@avatar.com>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Sent: Monday, June 07, 1999 10:07 PM  
> Subject: Antenna question  
>  
>  
> >  
> > Hi Fellow QRP'ers,  
> >  
> > I'm trying to put together an antenna to use when I got camping. First I  
> > must say that I am mostly in a wheelchair, so I need to put together  
> > something that I can do from a wheelchair. Secondly, alot of camp sites  
> > do not have tall trees, so I think I'm limitted to verticals.  
> >  
> > I've come up with two ideas, and I wanted to know people opinion.  
> >  
> > 1. Use a fishing pole as a 20 ft whip and radials cut around 20 ft also.  
> > I would tune this puppy with a tuner.  
> >  
> > 2. Use a screwdriver antenna like the high sierra and an alpha delta  
> outpost  
> > base.  
> >  
> > Method #1 has a larger radiating element and will require a tuner.  
> > Method  
> #2  
> > is a smaller element and has a (somewhat) center loaded coil and does  
> > not need a tuner.  
> >  
> > Which method will be more efficient? I'm open to other ideas as long as  
> the  
> > setup is fairly straight forward.  
> >  
> > Thanks & 73's,  
> > Kory  
> > AC6RN



> >  
> >  
>  
>

-----  
Date: Tue, 8 Jun 1999 13:01:43 +0200  
From: iapizloj@bicc00.bi.ehu.es (Jon Iza)  
To: qrp-1@lehigh.edu  
Cc: iapizloj@bicc00.bi.ehu.es  
Subject: [42261] Wireless Fantasy  
Message-ID: <9906081101.AA58258@bicc00.bi.ehu.es>

Folks,  
There was a thread time ago about using CW on music and/or TV...  
I do not want to restart it.  
But there was a comment about a piece of "classical music"  
by one of the pioneers of Electronic Music in the US called  
Vladimir Ussachevsky whose title was intriguing: Wireless Fantasy.  
I searched and searched but it looks like it was only available  
on LP (when it was available), but was out of print.  
Recently, I've found Composers Recordings Inc. has published  
a CD with Ussachevsky's works, and there is Wireless Fantasy  
on it.  
You may see more on: <http://www.composersrecordings.com/cd/813.html>  
and, if you check on Amazon.com, you may listen to a bit of  
it...  
Information is at:  
<http://www.amazon.com/exec/obidos/classical-artist-search/Ussachevsky%2CV./002-3560315-5242429>  
or searching on Music for Ussachevsky, the CD named  
Metamorphosis/Linear Contrasts  
Have fun  
jon, ea2sn

-----  
Date: Tue, 8 Jun 1999 06:11:51 -0500  
From: George F Franklin <w0av@juno.com>  
To: dbullard@negia.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [42262] Re: GQRP membership- Wow!  
Message-ID: <19990608.061151.-121009.0.w0av@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Don,

Same deal with me on my renewal.

I also received my SPRAT yesterday!

Great service and many thanks to Bill et al.

72 de George/W0AV

-----  
Date: Tue, 08 Jun 1999 11:14:23 +0100  
From: "Walter D. Amos" <waltk8cv@mpdr0.detroit.mi.ameritech.net>  
To: Qrp-l Posts <qrp-l@lehigh.edu>  
Subject: [42263] The mighty TTT .....  
Message-ID: <375CECFF.E05098F3@mailhost.det.ameritech.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Folks:

I also worked the might "Tuna Tin Two" last night and Skip was being  
GENEROUS with his signal report! :-)) Thanks Ed for the contact right in  
the middle of the ARS contest! I was being generous with my 229 report  
..... Hi! Good thing I knew where to look.

Walt k8cv

-----  
Date: Tue, 08 Jun 1999 07:08:44 -0500  
From: Nick Kennedy <nkennedy@cswnet.com>  
To: catmandu@freewwwweb.com, qrp-l@Lehigh.EDU  
Subject: [42264] Re: Bench Power Supply  
Message-ID: <375D07CC.9EA5F145@cswnet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Paul--

One of my oldest and most successful (and most often modified) projects is my 20 amp variable supply. I even went the whole route and rewound an old TV transformer to power it. It has served me well although it did have the nerve to damage my reputation by blowing up on field day a couple of times.

As you said, there's no good reason you can't make the thing variable over the whole range of the regulator. A couple of considerations, hindsight from my project--

You mention the amount of drive you can get from the regulator ... 150 ma. You're right that that probably isn't enough. Figuring a beta of 50, you could drive your pass transistors to 7.5 amps. I first tried driving four 2N3055 type transistors with my regulator (NE550) and didn't have enough drive. So I took one of the four and drove it from the regulator and used it to drive the other three.

Another thing--I also wanted that wide range. Mine would go to about 30 volts or so. But remember that the dissipation in the pass transistors is equal to the unregulated voltage minus the output voltage times the current. So if you use it mostly at 13 volts output, your dissipation would be  $(40 - 13)$  times 10 amps equals 270 watts dissipated in your pass transistors. That's a lot of heat. So you need big transistors, a big transformer and big heat sinks. Also, in this case your output is 10 times 13 or 130 watts. Total power from the transformer is 400 watts. As I ended up using my power supply to run my transceiver most of the time, the inefficiency kind of stuck in my craw and I wished I had used a lower value of unregulated voltage. Later, I found a really neat 1.5 amp bench supply at a hamfest for \$15 (had a bad 723) which meets my needs for a wide range supply pretty well.

My comments are valid (I hope) for linear supplies. To me, switching supplies are just too complex for most hams. Every part has to be custom made. There was a good article on building one in QST recently, but note that you have to wind transformers and inductors and so forth.

72,

Nick, WA5BDU

-----  
Date: Tue, 8 Jun 1999 05:12:40 -0700 (PDT)  
From: frank lauri <qrp@yahoo.com>  
To: qrp-l@Lehigh.EDU  
Subject: [42265] RST question.  
Message-ID: <19990608121240.19376.rocketmail@send205.yahoomail.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

When I give a signal Readability report,I base it on the signal I hear after using all the filters and notch features of my radio. I was wondering if the report should be based on the signal heard without help from the accessories of the receiver.Using filters,passband tuning and DSP gives just about all signals a "5" readability.

Any comments???

Frank - N2IX

-----  
Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Tue, 08 Jun 1999 08:17:55 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-1@lehigh.edu  
Subject: [42266] Capacitor Q  
Message-ID: <375D09F2.C89D03FB@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Has anyone published charts of measured Q vs frequency for different types and makes of capacitors?--Zack W1VT

-----  
Date: Tue, 08 Jun 1999 06:37:46 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: Bob Parks <rob3ert@vegas.infi.net>, qrp-1@Lehigh.EDU  
Subject: [42267] Re: ElmeRadio (Regen)  
Message-ID: <375D0E9A.8FC65898@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Bob

Thanks for your reply.

> FB radio! Using a voltage regulator as an amplifier is certainly unique.

The idea came from Charles Wenzel. Go to his site at [www.wenzel.com/documents/hobby.html](http://www.wenzel.com/documents/hobby.html) and select "Crystal Radio and Crystal Radio Amplifier" under "Receiver Circuits". My amplifier is a modification of his.

> Did you hit your design cost goal including the earphones?

I haven't figured out total cost yet, but it is close. I decided not to include earphones in the cost since the TL431 will easily drive a pair of Walkman-type stereo headphones. It will even drive a small speaker if you reduce the value of R4 a bit.

> Does the radio require an external antenna for reception or will the "loopstick"  
> pick up adequate signals by itself?

I can get at least eight stations very loudly in the area where I live without an external antenna.

Bruce kk7zz

-----  
Date: Tue, 8 Jun 1999 09:00:29 -0400 (EDT)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: frank lauri <qrp@yahoo.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42268] Humor Repost Re: RST question.  
Message-ID: <Pine.OSF.3.95.990608083921.5483A-100000@saturn2.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jun 1999, frank lauri wrote:

>  
> When I give a signal Readability report, I base it on the signal I hear  
> after using all the filters and notch features of my radio. I was  
> wondering if the report should be based on the signal heard without  
> help from the accessories of the receiver. Using filters, passband tuning  
> and DSP gives just about all signals a "5" readability.  
> Any comments???

Of course... from the QRP-L CD Archives...

Once again... I have no idea how hams are progressing through the "ranks" without learning the REAL meaning behind Signal Reports. I can only think that the "standard" for a signal report on CB was the unit of "pounds" sometimes also referred to as "Pounder Kuhmonback" and was a direct visual measurement taken off of the lab-standard S-meter supplied in every CB transceiver.

For example, a CBer requests a signal report or "radio check." The typical response is, "I got mine." A savvy operator knows that a "radio check" is a request for a meter reading from the receiving station. The seasoned CB operator will glance down at the S-meter and respond with the standardized unit of measurement, as in, "Yar hittin' me with a Nine Pounder Kuhmonback."

Ham radios, although generally much more expensive than CB radios, were not required by law to have the very sensitive, calibrated meters that the CB radios had. Hams had always used a rather informal "standard" for giving reports, and for EVERYONE's further education, it goes like this:

#### RST - Readability Signal Tone

The readability scale runs from a high of 5 to a low of 1.

- 5     Perfectly readable, armchair copy, "That Alpha sure sounds good here, Herman."
- 4     Good readability, "I think I hear someone about 60db down Bernie, better click on the amp and clear the frequency."
- 3     Fair. This is really POOR, most non-QRP ops won't go through the effort to answer a CQ with an R 3 report.
- 2     Only used by county hunters when they can't hear each other.  
      Net Control    :"Did you copy your report?"  
      County Hunter : "uhhh... two by two?"  
      Net Control    :"Good contact!"
- 1     Nobody ever gives an "R" of one. Even ET would not have received a readability of 1, calling home with a broken umbrella as an antenna.

#### S - Signal ranges from a high of NINE to a low of ONE

- 9     Extremely strong, loudest signal on the band. "That Alpha sure doing the job here, Otto. OH! I'm lookin' out the window here and I can see you mowed the lawn today."

This is also the standard "contest" report, regardless.

- 8 Very strong - often given to the other op after you receive a report of nine.
- 7 Strong. This is actually the "normal" report for 100w stations, "five by seven." QRPers lose sleep dreaming about getting 579 reports.
- 6 Very Good. Very average. Very well move on to the next QSO.
- 5 Good. QRP Special. 55(9) To most ops, a signal of 5 means you are getting marginal, we QRPers are in heaven.
- 4 Fair - I've heard louder phase noise.
- 3 Fairly Weak. At this point, your signal is is getting clobbered by everyone else, still copyable, but sure to soon get the 'ol, "SRI OM FONE CALL VY 73"
- 2 Weak - See # 2 above
- 1 Let's not kid ourselves. When I get a 1, I know the other op is using the S meter to judge my signal. In the real world, an S of ONE is pretty much reserved for giving to your buddies during a contest as a gag.

Tone Ranges from a high of NINE to a low of ONE:

- 9 Perfect Tone - a perfect sine wave, crystal clear, like smooth mountain waters that go into every bottle of... whoops! Sorry about that folks!
- 8 Not Quite Perfect. Boatanchor ops give a tone of 8 to each other just to be different.
- 7 Not used since 1967
- 6 ditto
- 5 I think I see a pattern here...
- 4 Bad Tone. Typically only given to any Cuban station.
- 3 Never used
- 2 Nope

1     Ok, what are you keying?   The AC mains?

There.   Now, another special from ol' ZjL.   Cut this out and paste in next to your DXCC or Grid Map sheet.

vy 73! =paul= wb8zjl <--- watch this space!

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics  
<<http://www.acs.oakland.edu/~prvalko>>

-----  
Date: Tue, 08 Jun 1999 09:03:57 -0400  
From: m9bw990@ix.netcom.com  
To: qrpp@yahoo.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42269] Re: RST question.  
Message-ID: <375D14BD.5C3@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Very good observation, Frank:

I don't think there is any true standard here.  I always base my RST on what I hear with the "rig of the moment", which includes antenna system, receiver, filters, and other factors.  I work a lot of CW mobile, which has a very high level of QRN as well as ambient road noise.  So I rarely give anyone better than a 4xx report.  But this way the other op knows how well I hear him, and can tailor his speed, number of repeats, etc.  It's not at all uncommon for me to start a QSO on the way home from work giving someone a 439 report, then pull into my driveway, get on my base rig with full filtering, and 100 watts to a vertical array over salt water, and have the RST go up to 599.  The converse is also true for my received report.

Bottom line, I prefer that the RST indicate how well we each hear, since it makes for better communication.  Others' opinions may certainly differ, but if someone gives me a 599, I may turn down the power, and/or crank up the keyer speed.  If I get a 439, I may: QRS, add repeats, increase power, switch to a gain antenna.

73 de Mike Banz



AA3RL, FISTS 5347

-----  
frank lauri wrote:

>  
> When I give a signal Readability report,I base it on the signal I hear  
> after using all the filters and notch features of my radio. I was  
> wondering if the report should be based on the signal heard without  
> help from the accessories of the receiver.Using filters,passband tuning  
> and DSP gives just about all signals a "5" readability.  
>  
> Any comments???

>  
> Frank - N2IX

> -----  
> Do You Yahoo!?

> Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Tue, 08 Jun 1999 05:36:05 -0700  
From: russ behm <russbehm@silcom.com>  
To: qrp-l@lehigh.edu  
Subject: [42270] FS: Ten-Tec Argo QRP Xcvr  
Message-ID: <375D0E24.3EE8@silcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Have the Argo 556 QRP xcvr for sale, with noise blanker, 3 plug-in band modules, hand mic, and mobile mounting bracket. This is the QRP version of the Scout, with the Jones Filter. This rig is in excellent condition. Asking \$395.

Thanks for your interest,

Russ, WB6UER  
805 687-1853  
Santa Barbara, CA

-----  
Date: Tue, 08 Jun 1999 07:47:32 -0600  
From: "Rattray, Bruce" <Rattray@siast.sk.ca>  
To: "'bill@willapabay.org'" <bill@willapabay.org>  
Cc: "'QRP-Canada'" <qrp-canada@lists.gpfn.sk.ca>, "'QRP-L'" <qrp-l@LeHigh.edu>  
Subject: [42271] RE: Field Day Listings time again

Message-ID: <ABB04875E11AD01191A40000F83092BE01F38FDB@STONE>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Hello Bill....I'll be looking forward to reading your list of QRP Field Day stations...I gave my yearly try to get our local club to go QRP for Field Day but met the 'ol brick wall attitude" again...HI HI...seems like they feel they won't get a good score unless they run power in order to punch through the many layers of stations on the air...when I make my request it's followed by some laughs and funny comments like "Bruce must be here!"...nothing derogatory but good clean fun....but I really hope that some year they'll "make the leap" and become believers...

72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L# 886 ARCI# 9683  
10-10# 944 Amateur Radio Stamp Collector - A1 Operators Club  
-  
Regina, Saskatchewan, Canada

> -----  
> From: Bill Todd[SMTP:bill@willapabay.org]  
> Reply To: bill@willapabay.org  
> Sent: Tuesday, June 08, 1999 3:06 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: Field Day Listings time again  
>  
> Hello folks -  
>  
> It's that time of year again to air out the tent, be certain you have  
> enough  
> bug spray...and of course, make sure that the rig you meant to fix, gets  
> fixed in time for this years' Field Day.  
>  
> For the past four years, the on line "NWQ" Newsletter has published a list  
> of all QRP Field Day operations around the country, sorted by state. If  
> you  
> are interested in having your Club's operation listed, please include the  
> following information:  
> -----  
> Club Name:  
>  
> Club Call:  
>  
> Novice/Tech Club Call (if any):  
>  
> Contact Person

> (incl. E-mail address):  
>  
> Location of Field Day operation:  
>  
> Extra Comments:  
> -----  
>  
> That's it folks -  
> CUL, Bill-N7MFB  
> <http://www.willapabay.org/~bill>  
> ICQ @ 8926298  
>

-----  
Date: Tue, 08 Jun 1999 14:10:31 -0700  
From: "KA5T Larry Wise" <lewise@inetport.com>  
To: "qrp" <qrp-1@lehigh.edu>  
Subject: [42272] re: HamCom preregistration list sort  
Message-ID: <199906081409.JAA25456@admin.inetport.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

On Mon, 7 Jun 1999 18:25:49 -0500, ke5tc wrote:

>Larry:  
>I assume the sort was done with a qrp computer?  
>  
>de ke5tc  
>

Er.. Um.... Blush, no....  
That computer, an original IBM  
PC, is setting on the other bench resting.....:-)

Larry KA5T

-----  
Date: Tue, 8 Jun 1999 10:39:28 -0400  
From: tbowman@nbn.net  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [42273] Re: RST question.  
Message-ID: <006b72839140869NBN2@nbn2.nbn.net>

Great question.

Kind of like Zen and the Art of RST.

I use DSP on my Kenwood TS-570 and the signal is in the clear. Without DSP, the signal is about even with the noise level.

I believe we should reference signals to the noise level we hear without the DSP/filters.

Tom, WA3REY

On Tue, 8 Jun 1999 05:12:40 qrpp@yahoo.com wrote:

>  
>When I give a signal Readability report,I base it on the signal I hear  
>after using all the filters and notch features of my radio. I was  
>wondering if the report should be based on the signal heard without  
>help from the accessories of the receiver.Using filters,passband tuning  
>and DSP gives just about all signals a "5" readability.  
>  
>Any comments???  
>  
>Frank - N2IX  
>-----  
>Do You Yahoo!?  
>Get your free @yahoo.com address at <http://mail.yahoo.com>  
>

-----  
Date: Tue, 8 Jun 1999 09:38:32 -0500  
From: Karl.Kanalz@optelinc.com  
To: tbowman@nbn.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42274] Re: RST question.  
Message-ID: <8625678A.0050CB18.00@hdqsmtp01.optelinc.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I think I'd have to "second" that motion, guys.... after all, the "R-S-T System" was established long ago, in the days before DSP and super-narrow filters and noise blankers were invented.

Karl K - W8TIF  
McKinney, Texas

tbowman@nbn.net on 06/08/99 09:39:28 AM

Please respond to tbowman@nbn.net

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Re: RST question.

Great question.

Kind of like Zen and the Art of RST.

I use DSP on my Kenwood TS-570 and the signal is in the clear. Without DSP, the signal is about even with the noise level.

I believe we should reference signals to the noise level we hear without the DSP/filters.

Tom, WA3REY

On Tue, 8 Jun 1999 05:12:40 qrpp@yahoo.com wrote:

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>When I give a signal Readability report,I base it on the signal I hear  
>after using all the filters and notch features of my radio. I was  
>wondering if the report should be based on the signal heard without  
>help from the accessories of the receiver.Using filters,passband tuning  
>and DSP gives just about all signals a "5" readability.

>  
>Any comments???

>  
>Frank - N2IX

>-----  
>Do You Yahoo!?  
>Get your free @yahoo.com address at <http://mail.yahoo.com>  
>

-----  
Date: Tue, 08 Jun 1999 08:43:10 -0600  
From: Larry East <wlhue@amsat.org>  
To: qrp-l@lehigh.edu  
Subject: [42275] RE: SG2020  
Message-ID: <3.0.3.32.19990608084310.00939850@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>From a recent post:

>

>Speaking of the 2020, i was just at Seapac, the hamfest down in Seaside, OR  
>and was talking with the creator of the 2020, and the QRP+, i can't remember  
>his name, but anyway, he was saying that he just finished another radio for  
>SGC that now puts out 100watts and has the problems fixed. He said that  
they

>may call it the 2021. Hmm, well, i just wanted to throw this in if anyone  
>was interested.

>

Gee... Three rigs (or is it 3-1/2, considering the QRP++) and five years to  
get "the problems fixed". Even Microsoft (usually...) does better than  
that! :-)

-----  
Date: Tue, 8 Jun 1999 09:52:40 -0500 (CDT)  
From: "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>  
To: qrp-l@Lehigh.edu  
Cc: millermd@nwu.edu  
Subject: [42276] in Los Alamos during FD weekend  
Message-ID: <199906081452.JAA24828@anima.nums.nwu.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I will be in Los Alamos, New Mexico the weekend of June 26th and 27th. I  
will most likely bring my portable QRP set up with me. Anyone out there who  
lives in Los Alamos or knows some hams in Los Alamos who would care to get

together for a few hours Sat or Sun? (I'm not sure exactly which hours just yet, as I am in town to be with extended family). Also -- anyone know whether there will be a Field Day operation in Los Alamos, and who I might contact?

Tnx es 72 de KG9ML, Mike

-----  
Date: Tue, 08 Jun 1999 10:03:55 -0500  
From: Dave Sjolin <sjolin@swbell.net>  
To: tbowman@nbn.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42277] Re: RST question.  
Message-ID: <375D30DB.E14BCB7D@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

tbowman@nbn.net wrote:

> I use DSP on my Kenwood TS-570 and the signal is in the clear. Without  
> DSP, the signal is about even with the noise level.  
>  
> I believe we should reference signals to the noise level we hear without  
> the DSP/filters.

Tom, if you used a big beam atop a 70 foot tower would you give signal reports based on a reference dipole at 30 feet? The purpose of a signal report is to tell the other station how well you are copying him and how strong his signal is at your location.

The fact that you have a lot of noise that your DSP eliminates does not change the signal strength of the other station. You have only reduced the strength of the noise.

As far as readability, the other station wants to know how easy or difficult copy is at your end, regardless of strength, so that he can know how many repeats, what speed to use to optimize communications. What you had to do to copy him Q5 other than use of a telephone or modem hookup is irrelevant. As long as you are copying him fine, he doesn't care what your line noise level is like. If you are copying him rst 579 with the dsp that is the only report that is relevant.

One last point, you don't need an s-meter to give a signal strength

report. And you dont need to subtract out noise level to give you signal strength. All signal reports are subjective and worrying about the meter is a waste of time. Check the ARRL handbook or the ARRL logbook for defintions of s1 thru s9.

73 de Dave, N0IT

-----  
Date: Tue, 08 Jun 1999 17:05:39 +0200  
From: "Robert M. Ganter" <hb9dnn@gmx.net>  
To: qrp-l@lehigh.edu  
Subject: [42278] Re: RST question.  
Message-ID: <375D3143.58655E2D@gmx.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

tbowman@nbn.net wrote:

>  
> Great question.  
>  
> Kind of like Zen and the Art of RST.

: -)

> I believe we should reference signals to the noise level we hear without  
> the DSP/filters.

I do not agree.

If You want to report the other station the aural quality of the signal (which is IIRC the reason to use the RST system), You should include the DSP/filter stage. The overall receiver quality is, what helps You to copy a wak signal out of noise. If You manage to filter a -113dBm signal out of noise virtually eliminating noise, well, then the quality of the signal \*is\* better than on an el cheapo receiver.

If You want to report (at least for the 'S') the signal strenght at the antenna connector, then use something else (micro-volts or dBm).

Apart from the fact, that the S-meters of virtually all amateur radio gear is as accurate as a wet finger to determine wind speed, the RST system only makes sense as an aural report to the other station.

73/72

Robert

--



Robert M. Ganter, HB9DNN

-----  
Date: Tue, 08 Jun 1999 10:53:19 -0400  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [42279] WPX contest score  
Message-ID: <375D2E5F.EF6F9AE4@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just got around to doing my score for the WW WPX contest. 39 QSO's for 117 points and 38 prefixes for a total of 4446. Started off using my NC20 for 20 meters but did not stay there long. When I switched to 15 meters and worked KG6OK, I was so jazzed that I stayed on 15 for the rest on the contest. Used my old trusty Ten Tec Triton on 15. Antenna was my 105 foot dipole at 40 feet. Worked a total of six hours. Slowly getting better at this contest stuff.

Ed Kwik AB8DF

-----  
Date: Tue, 08 Jun 1999 11:11:24 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-1@lehigh.edu  
Subject: [42280] Re: The mighty TTT .....  
Message-ID: <375D329C.1D6A@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Walter D. Amos wrote:

> Folks:

> I also worked the might "Tuna Tin Two" last night and Skip was being  
> GENEROUS with his signal report! :-)) Thanks Ed for the contact right in  
> the middle of the ARS contest! I was being generous with my 229 report  
> ..... Hi! Good thing I knew where to look.

> Walt k8cv

Hi, Walt,

Thanks for the contact, OM. I am not sure if Skip was really being generous; he did manage to copy most of what I sent, I am sure. :-)

I haven't been very active from home over the past years; I guess working at ARRL HQ gives me a pretty fair dose of ham radio, so I go home and work on my fixer-upper house. But this one has REALLY fired me up! About a year ago, I had set up a trap dipole, about 5 feet over my roof, to do a fast QRO sked, so, not wanting to wait, I started with that. The SWR is pretty bad, so I used an antenna tuner to tame it down.

The first results were not encouraging; I got a 229 report into MA to K1QM. The next day, I put it up another 5 feet and got the ends up a bit more; things got a bit better; now I got a 449 report from K1QM. Last night, I had started to work on a full half-wave dipole, but the thunderstorm chased me off the roof before I could get very far. That also delayed me a bit from my expected 0100Z start; I had to wait for a second thunderstorm to pass. Hopefully, I can get the 40 M dipole installed tonight before my evening foray. That should improve things by as much as 10 dB, so feel free to work it again, so we can have a real QSO instead of just a signal report.

I just found a 7040 kHz crystal, which operates on 7039.4 kHz, so I will be in the QRP part of the band from now on. It looks like I will be on at about 0030Z tonight, so I will look for any QRPers who manage to copy me through the usual summertime QRN. I will also try at about 1100 Z tomorrow morning, possibly using the callsign W1AW/QRP. Either way, look for the hand key at about 15 wpm. The rig does chirp a tiny bit, but it is slight and real fast, so probabliiy won't be noticeable under weak signals. On 7039.4 kHz, I measured 650 milliwatts.

I just can't describe how much fun this is! I have been working with the QRP ARCI folks to plan an October TT-Two revival operating event here at W1AW, so more of the QRPers will get a chance to work it, and to operate it, if they can make it here. I will also bring it with me on upcoming conventions (and post to QRP-L), so we can give a few others a shot at it from different parts of the country. (I will be on from Los Angeles many mornings or evenings between 6/17 and 6/25, for example, and hopefully again from Ft Tuthill!). Hey, it is really only another QRP rig, but to me, there is some special magic in it, and we can all share the magic if we believe. :-)

If anyone wants to work the TT2, email me so I can be on the lookout for your callsign. I am QSLing 100%, so no SASE needed.

73,

Ed Hare, W1RFI

-----  
Date: Tue, 08 Jun 1999 09:10:37 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>, qrp-1@Lehigh.EDU  
Subject: [42281] Re:  
Message-ID: <375D326C.37CE0585@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Arnie

I can send you the preliminary document on the ElmeRadio in one of the following formats:

AutoCad LT .DWG format (74KB), AutoCad .DXF (168KB), Windows.WMF(329KB), Microsoft Word (1003KB!!!) (can be zipped to under 300KB). The Word document must be properly scaled after you receive it if you use the front panel provided. I can help you out with that.

> Have a bunch of kids inthe neighborhood that  
> will LOVE to build it !!!

That is exactly why I am doing this project.

> What about a special preview for your friend  
> Arnie Coro ?

Sorry, it took so long to get back to you. Work and family took most of my time during the last few days.

> I will also love to talk about your radio  
> on my show... simple receivers are making  
> many of my worldwide listeners much more  
> interested in radio construction !!!

You are welcome to talk about the radio. Please let me know when you do.

> My little 4 year old grandson is about to  
> get his first crystal radio too....

> granpa Arnie is just finnishng it... so  
> you see amigo, we are both working along  
> the same ideas !!!

Being a grandfather is one of the great pleasures of life.

Check out Charles Wenzel's web page at  
[www.wenzel.com/documents/hobby.html](http://www.wenzel.com/documents/hobby.html) and select "Crystal  
Radio and Crystal Radio Amplifier" under "Receiver  
Circuits". My amplifier is a modification of his. You might  
wish to put together his excellent design for your grandson.

The little ElmeRadio will get about eight local stations  
with plenty of volume without an external antenna. The  
TL431 audio amplifier will easily drive a pair of Walkman  
type headphones or even a small sopeaker with a simple  
modification.

The short wave version of the ElmeRadio will be my next  
project. It will cover the MW broadcast band and one  
international SW band. Can't wait to get going on it.

Good Luck

Bruce kk7zz

-----  
Date: Tue, 08 Jun 1999 09:17:29 -0600  
From: Larry East <wlhue@amsat.org>  
To: qrp-l@lehigh.edu  
Cc: <catmandu@freewwwweb.com>  
Subject: [42282] RE: Variable PS  
Message-ID: <3.0.3.32.19990608091729.00938b70@axp1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>From a recent post:  
> I like the idea of building a 2 in 1 supply. If I don't find a better  
>design I will probably do just that. But I can't help but wonder how the  
>commercial units from B&K, Leader and others do it and why it's so hard  
>to find a design to follow. Maybe someone has built or knows of one  
>that's been covered in QEX, QST or some of the Electronics Mags.  
>

One way of covering a large voltage range with a single supply is to switch transformer taps as the output voltage changes. The SAMLEX PSA 305 supply does this automatically with a series of relays as the output voltage is changed. This supply, by the way, is often on sale for \$99 by Tech America and is a bargain at that price -- but it needs a few mods to enhance its usability (see [http://qrp.cc.nd.edu/qrp-1/hints/w1hue/samlex\\_mods.html](http://qrp.cc.nd.edu/qrp-1/hints/w1hue/samlex_mods.html) for my mods). This thing produces 0-30V @ 7A and is reasonably well regulated (but NOT as good as could be achieved, however). It's pretty hefty with a huge heat sink and could probably be pushed to ~15A before losing any of its smoke by reducing the resistor(s) used for current sensing. Just a thought...

72, Larry W1HUE

-----  
Date: Tue, 08 Jun 1999 11:25:34 -0400  
From: Laura Halliday <lha@sdr.utias.utoronto.ca>  
To: qrp-1@lehigh.edu  
Subject: [42283] Re: radio store in Toronto  
Message-ID: <3.0.6.32.19990608112534.007b5760@madrox>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Radioworld is easy to get to, even without a car. Take the subway to Finch, then the 60 Steeles West bus. Get off just past Jane, before the big freeway underpass (which is Highway 400).

Other T0 faves: Active Surplus on Queen Street (501 Queen streetcar, or walk from Osgoode subway), and Toronto Surplus & Scientific on Gordon Baker, just off Victoria Park (53 Steeles East, 42 Cummer, 24 Victoria Park).

Yes, I do think too many ham radio gatherings are based on car-only access...

To combine QRP radio with QRP computing, my TAPR PIC Encoder (<http://www.tapr.org/tapr/html/Fpice.html>) arrived and I populated the board last night. Now I just need to figure out what to do with it. The mind wobbles. :-)

Laura Halliday VA3LDH    "Que les nuages soient notre pied  
Grid: FN03gs                    a terre..." - Hospital/Shafte

-----  
Date: Tue, 8 Jun 1999 10:24:38 -0500

From: Bcieslak@ra.rockwell.com  
To: QRP-L@lehigh.edu  
Subject: [42284] NA3V wins WIQP QRP piggyback contest  
Message-ID: <8625678A.0054AA0D.00@ramilwsmtp01.ra.rockwell.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

You may recall way back in March we announced a QRP piggyback contest to be run at the same time with the same rules as the Wisconsin QSO party which is sponsored by the West Allis Radio Amateur Club because there was no official QRP category in the rules. You were to send a copy of your summary sheet to AE9K as well as an Official entry to WARAC.

Well the results are in !!

NA3V was the highest scoring QRP operator to submit his log for the piggy back QRP contest.

Hence he will be receiving a nice commemorative token from the land of Cheese and Packers.  
(An official Cheesehead(TM) beer mug is being provided by the QRP Cheeseheads ARC).

I thought I saw a few other calls in the results from known QRP operators. Next year make sure you get your logs in for the QRP piggyback contest too. Remember we're not associated with WARAC so you had to have sent a log to us as well as them.

The West Allis Radio Amateur Club just posted the 'official' results of the contest on their web page:  
<http://204.95.172.90/wqp/wqp.htm>

72 es we'll do it again next year.

Brian AE9K

-----  
Date: Tue, 08 Jun 1999 09:30:14 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: qrp-l@Lehigh.EDU

Subject: [42285] ElmeRadio PDF  
Message-ID: <375D3706.F4AF15AB@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fellow Soldermaniacs

Thanks to Mark Hogan N50BC, I now have a .PDF file of the preliminary ElmeRadio document. It is 662KB, but I can zip it. Please let me know if you would like a copy.

Bruce kk7zz

-----  
Date: Tue, 8 Jun 1999 08:31:23 -0700 (PDT)  
From: Ron Stark <ku7y@dri.edu>  
To: frank lauri <qrpp@yahoo.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42286] Re: RST question.  
Message-ID: <Pine.SOL.3.96.990608081615.26287B-1000000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Frank,

The RST reporting system is only good for one thing:

It lets each operator know how their sig is being heard.

What kind of rig, antenna, location, filters and etc don't matter. RST is NOT a system of absolute measurement. It is just a way to know if the other operator is able to copy easy or if he is having major troubles and that you may need to QRS or even (gulp) increase power! Or if you are strong maybe cut the power down some more.....

As an example....

Lets say that you and I are both chatting with the same station.

Lets also say that we live very close to each other.

At your location and with your equipment, you can give

him/her a 589.

But at my location I have some very bad AC line noise and my antenna is an indoor dipole. My RX is a home brew regen. The best I can give is a 339.

So here is the same sig that with some fancy test equipment would measure the same in each of our shacks. But each of us hears it differently.

You can always point out to someone that they are Q5 with the filters/DSP in use and Q3 without, or whatever it happens to be.

Either way it's no reflection on the sending station but rather an example of your ability to receive.

Hope this helps....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Tue, 8 Jun 1999 08:43:48 -0700 (PDT)  
From: Stanley Wilson <microres@crl.com>  
To: "Paul R. Valko" <prvalko@oakland.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42287] Re: Humor Repost Re: RST question.  
Message-ID: <Pine.SUN.3.91.990608084106.734A-100000@crl.crl.com>  
Mime-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Give everyone a 599 or 5 by 9, makes them feel good. If they are really weak and you had to ask them to repeat their call and name several times maybe only a 579 would work. After all they would be 599 if you had a better antenna a better receiver and lived on a higher hill, so it is your fault that they are not 599, therefore, let everyone have a nice day. de stan ak0b

-----  
Date: Tue, 8 Jun 1999 11:55:24 -0400



From: John R Kirby <n3aaz-qrp@juno.com>  
To: kory@avatar.com, qrp-1@Lehigh.EDU  
Subject: [42288] Re: Antenna question  
Message-ID: <19990608.115657.-227571.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Kory and Group...

>>I'm open to other ideas as long as the  
setup is fairly straight forward.<<

While on the road and camping, the Radio Shack 102 inch "whip" and the  
MFJ-16010 tuner work best for me.

At QRP levels, the MFJ-16010 is one of the best "L C networks" ,  
"almost all band" vertical tuners on the market. Install the MFJ-16010  
at the "base" of the vertical, BUT reverse the ports.

Because the 16010 TRANSMITTER port is the "low Z port", internal C  
(10-250 pF, shunt to ground/case) and the ANTENNA port is the "high Z"  
port (internal L, series port to port), and since a resonant vertical is  
"usually" a low impedance device (less than 50 ohms) you must reverse the  
16010 hookup and mount the 16010 at the base of the vertical antenna (a  
round tupperware type container is more weather proof than square).  
Connect the coax coming from the shack to the 16010 ANTENNA port (shunt C)  
then connect the 16010 TRANSMITTER port (series L) to the base of the  
antenna (use a very short coax here at the TRANSMITTER port, 6 inches  
max). This setup makes an almost all band (40 to 2 meter) antenna. On  
some of the lower bands (say 30 or 40 but 80 for sure) you may have to  
"parallel" more "external" shunt C at the 16010 ANTENNA port.

RTV will keep the weather out AND allow access for band change.

Yes, a counterpoise is required.

This combo is the best RV - campground setup I have found to date. For a  
counterpoise, I use the RV ladder rack while stationary (on top of the  
trailer, to gain the extra height) and Radio Shack 21-937B mounting  
bracket. While mobile the pickup load bed with a Lakeview (phone,  
803-226-6990) three-point mag mount.

Please, tell me about your RV and/or camp ground antenna set-up, and  
keep me in mind if you see an almost all band vertical or whip type  
antenna in your travels.

John  
N3AAZ  
FM19xa

..."Digest users"...Yes, this is a "broadcast" post too. >history<, some "digest" users advised me of a truncation problem following following my "signature block". This is a test my signature block is not the "last" entry so please mail direct if there is still problem. The last entry is a "carriage return".

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Tue, 08 Jun 1999 11:58:34 -0400  
From: Bill\_Henderson@ocdsb.edu.on.ca (Bill Henderson)  
To: kizerian@ced.utah.edu  
Cc: qrp-1@Lehigh.EDU  
Subject: [42289] Re: ElmeRadio PDF  
Message-ID: <msg248326.thr-e6366b81.77359403@ocdsb.edu.on.ca>  
Content-id: <msg248326.thr-e6366b81.77359403.part0@ocdsb.edu.on.ca>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 8bit  
Content-Transfer-Encoding: 8bit

kizerian@ced.utah.edu,Internet writes:  
>Fellow Soldermaniacs

>Thanks to Mark Hogan N50BC, I now have a .PDF file of the  
>preliminary ElmeRadio document. It is 662KB, but I can zip  
>it. Please let me know if you would like a copy.

>Bruce kk7zz  
Can you e-mail me a copy , please...  
I am new to the group... hope to be a ham SOON... - Bill H.

>Received: from fidoid.cc.lehigh.edu (fidoid.cc.lehigh.edu  
>[128.180.1.4]) by ns.ocdsb.edu.on.ca with SMTP id MSGGZJDL; Tue, 8 Jun  
>1999 15:46:51 GMT  
>Received: from localhost ([127.0.0.1]:1110 "HELO Lehigh.EDU" ident:  
>"IDENT-NOT-QUERIED") by fidoid.cc.Lehigh.EDU with SMTP id  
><53458-24120>; Tue, 8 Jun 1999 11:43:09 -0400  
>Received: from nss4.CC.Lehigh.EDU ([128.180.39.1]:64189 "EHLO  
>nss4.cc.lehigh.edu" ident: "IDENT-NOT-QUERIED") by fidoid.cc.Lehigh.EDU

>with ESMTTP id <53972-53562>; Tue, 8 Jun 1999 11:31:45 -0400  
>Received: from snipe.ced.utah.edu (snipe.ced.utah.edu [128.110.80.110])  
>by nss4.cc.lehigh.edu (8.9.1a/8.9.1) with ESMTTP id LAA62232 for  
><qrp-1@Lehigh.EDU>; Tue, 8 Jun 1999 11:31:43 -0400  
>Received: from ced.utah.edu (galt-gulch.sarcos.com [128.110.107.91]) by  
>snipe.ced.utah.edu (8.8.7/8.8.7) with ESMTTP id JAA02654 for  
><qrp-1@Lehigh.EDU>; Tue, 8 Jun 1999 09:42:18 -0600 (MDT)  
>From: Bruce Kizerian <kizerian@ced.utah.edu>  
>Sender: owner-qrp-1@Lehigh.EDU  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Reply-To: kizerian@ced.utah.edu  
>Date: Tue, 08 Jun 1999 09:30:14 -0600  
>Subject: ElmeRadio PDF  
>Message-Id: <375D3706.F4AF15AB@ced.utah.edu>  
>MIME-Version: 1.0  
>Content-Type: text/plain; charset=us-ascii  
>Content-Transfer-Encoding: 7bit  
>Content-Transfer-Encoding: 7bit

-----  
Date: Tue, 08 Jun 1999 10:03:46 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [42290] ElmeRadio GIF files  
Message-ID: <375D3EE2.3B1E7B7D@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Everyone

Thanks to Nathan Gordon KF9LI for breaking up the ElmeRadio document into several .gif files. You can view them at his website, <http://www.ccm.net/~kf9li/elme/> .

Build! Build! Build! Your comments and refinements will be appreciated.

Bruce kk7zz

-----  
Date: Tue, 8 Jun 1999 12:47:54 -0400 (EDT)

From: Bob Patten <n4bp@bc.seflin.org>  
To: "Rattray, Bruce" <Rattray@siast.sk.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [42291] RE: Field Day Listings time again  
Message-ID: <Pine.3.89.9906081224.A26230-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 8 Jun 1999, Rattray, Bruce wrote:

>  
> Hello Bill....I'll be looking forward to reading your list of QRP Field Day  
> stations...I gave my yearly try to get our local club to go QRP for Field  
> Day but met the ''ol brick wall attitude" again...HI HI...seems like they  
> feel they won't get a good score unless they run power in order to punch  
> through the many layers of stations on the air...when I make my request it's  
Simply show them the results from any past year. The QRP scores are  
ALWAYS higher than the QRO ones in every category. This is one contest  
(?) in which QRP has an unfair advantage. :-)

73,

Bob Patten, N4BP                      ( 0 0 )                      Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>  
Brass Pounder BBS: (954) 472-7715

-----  
Date: Tue, 08 Jun 1999 09:48:40 PDT  
From: DJ Rock <b2bn@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [42292] PSK31 interface  
Message-ID: <19990608164840.52309.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Is there anyone out there providing commercially made psk31 interfaces?  
Also I have downloaded the software (executable) is the source code  
available.

-----  
Get Free Email and Do More On The Web. Visit <http://www.msn.com>

-----  
Date: Tue, 8 Jun 1999 10:58:20 -0600 (MDT)  
From: kellner@acsys.com (Richard Kellner)  
To: qrp-1@Lehigh.EDU  
Cc: kellner@acsys.com  
Subject: [42293] Re: in Los Alamos during FD weekend  
Message-ID: <199906081658.KAA24211@acsys.com>

> I will be in Los Alamos, New Mexico the weekend of June 26th and 27th. I  
> will most likely bring my portable QRP set up with me. Anyone out there who  
> lives in Los Alamos or knows some hams in Los Alamos who would care to get  
> together for a few hours Sat or Sun? (I'm not sure exactly which hours just  
> yet, as I am in town to be with extended family). Also -- anyone know  
> whether there will be a Field Day operation in Los Alamos, and who I might  
> contact?  
>  
> Tnx es 72 de KG9ML, Mike

Mike,  
This (Los Alamos) is a good place to be for FD weekend. There is a long  
tradition of FD operations here, and I'm sure there will be a big turnout  
again this year. A person to contact is Alden Oyer, or you can get on  
the 145.19 repeater once you're here. Let me know if you want more details.

BTW - I am going to be out of town. And June 26th is my and my XYL's  
anniversary, so she's not too happy about it. I'll be on Johnston  
Island (KH3) if all goes as planned. (I probably should take the XYL as far  
as Hawaii to preserve the happiness!) The commercial flight from Honolulu  
is filled, so the trip is dependent on getting a MAC (military) flight, and  
that hasn't come through yet. But if all works, I'll run FD with my NC20  
from JI.

Have fun while you're here, and I'm sorry I'll miss you. But if the JI  
trip gets postponed, let's get together!

72, Rich W5RXP

-----  
Date: Tue, 8 Jun 1999 11:56:44 -0500  
From: "Mike =?ISO-8859-1?Q?N=D8WDM"?= <michaelbstjames@email.msn.com>  
To: <microres@crl.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42294] Re: Humor Repost Re: RST question.  
Message-ID: <001a01beb1cf\$e4e1c320\$033a0b3f@default>

In the 70's Tom Harris wrote a book called "I'm OK; You're OK."

Are you saying that if he had been a ham, it might have read .... "I'm 59; You're 59?"

-----Original Message-----

From: Stanley Wilson <microres@crl.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Tuesday, June 08, 1999 11:02 AM  
Subject: Re: Humor Repost Re: RST question.

>Give everyone a 599 or 5 by 9, makes them feel good.

-----  
Date: Tue, 08 Jun 1999 12:09:22 -0500  
From: Kirk Job Sluder <csluder@indiana.edu>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [42295] Power supply question for kits?  
Message-ID: <375D4E42.6E3DEE37@indiana.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm planning on ordering my first kit this week (probably either the 40M SW+ or the Wilderness Norcal40A). I also have an old PC power supply from a 386 I inherited with a bad motherboard which claims a DC output of 6A at 12V. Could this be adapted to power either of these two kits? If not, what should I be looking for in terms of a QRP power supply?

--

Kirk Job Sluder  
Personal Home Page (<http://php.ucs.indiana.edu/~csluder/home.html>)  
Email (csluder@indiana.edu) Radio (KB9TUT)

-----  
Date: Tue, 8 Jun 1999 13:30:44 -0400  
From: Willie Martin <71052.134@compuserve.com>  
To: qrp-l <QRP-L@LEHIGH.EDU>  
Subject: [42296] Keyer Interface

Message-ID: <199906081331\_MC2-78A8-E97D@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;  
charset=ISO-8859-1

Content-Disposition: inline

Content-Transfer-Encoding: quoted-printable

Thanks to all for your inputs. Have a source for the unit. Great group=  
!

Willie C. Martin, KE6DKH/5  
Texarkana, USA

-----  
Date: Tue, 8 Jun 1999 10:17:58 -0700

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: "QRP-L list" <qrp-l@Lehigh.edu>

Subject: [42297] PSK31 Foxhunt

Message-ID: <2a8201beb1d2\$ddaeedf0\$140a0a0a@double\_trouble.reliablemeters.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Gang --

No, I haven't been ignoring the psk31 foxhunt. Looks like there is abundant interest, so I will go ahead. I just have been too busy to be able to organize it.

Look for an announcement about a week after HamComm.

Mike K1MG

-----  
Date: Tue, 08 Jun 1999 13:46:52 -0400

From: "Ed Hare, W1RFI" <w1rfi@arrl.net>

To: qrp-l@lehigh.edu

Subject: [42298] Mea Cupla -- Re: The mighty TTT .....

Message-ID: <375D570C.209F@arrl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed Hare, W1RFI wrote:

> I just found a 7040 kHz crystal, which operates on 7039.4 kHz, so I will  
> be in the QRP part of the band from now on. It looks like I will be on  
> at about 0030Z tonight, so I will look for any QRPers who manage to copy  
> me through the usual summertime QRN.

I have an ARRL committee teleconference tonight at 0000Z. Usually done  
by 0130 or so. Look for me then on 7039.4. Sorry for any confusion.

73,  
Ed Hare, W1RFI

-----  
Date: Tue, 08 Jun 1999 13:58:48 -0400  
From: "Ed Hare, W1RFI" <w1rfi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [42299] ARRL TIS Database  
Message-ID: <375D59D8.7247@arrl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello, fellow QRPers,

I thought my friends on this list would like a chance to see the latest  
addition to the ARRL Technical Information Service page on the ARRL Web  
site -- the TISFIND "Addresses" database. This database can be searched  
for any word -- company name, city, state, or, perhaps the most useful,  
by a defined list of categories.

The URL is <http://www.arrl.org/tis/tisfind.html> on ARRL's "public" web  
pages. Let Al Alvareztorres, our TIS Coordinator, know what you think.  
You can reach him by email at [tis@arrl.org](mailto:tis@arrl.org). If you know of companies  
that should be added, or changes and updates, please let Al know. Al  
has just spent a few hard days getting this list ready for the page.  
Thanks go to Jon Bloom, KE3Z, our Webmaster, for the programming changes  
to allow the database to be interactively searched on the Web.

73 from ARRL HQ,  
Ed Hare, W1RFI



ARRL Lab

-----  
Date: Tue, 8 Jun 1999 20:23:58 +0200  
From: "Peter Zenker" <Peter\_DL2FI@csi.com>  
To: <w1hue@amsat.org>, "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [42300] AW: SG2020  
Message-ID: <000201beb1dc\$8f28f4a0\$34a19ec1@zenkerpn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

RIGHT, Larry!

And how many of the "not fixed problem" rigs have been sold to hams who believed what they could read in so called "test articles"? And how many of the fixing has been copied from Larry East articles in QRP-Quarterly? And how many of Larry's solutions have been copied the wrong way (e.g. in the SG2020)

Sorry, but sometimes I feel a strong pressure to say that I hate hate hate those allways postive aerticles in radio magazines. (I am an editor of a big German Ham Radio Mag myself). You want believe how hard the pressure is you get if you print some negative results in a test articles. Do you know that not one of the mags is payed by the readers but by advertizing?

Seems to be the same problem all over the world.

please if someone again would like to send flames, write in simple english, dont use special US-English !#\*\$%! words, I wish to understand my mails and my dictionary complete failed when I got flames after publishing test results for a specific Han Radio product with the main RF-related feature "Made in USA"

Peter, DL2FI  
owner and tester of NC40A, SIERRA, SST, SW40+, QRP+, ZM2, K2, Whire Mountain, Green Mountain  
Tester of SG2020 (no, NO owner)

> -----Urspr ngliche Nachricht-----  
> Von: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]Im Auftrag  
> von Larry East

> Gesendet am: Dienstag, 8. Juni 1999 16:43  
> An: Low Power Amateur Radio Discussion  
> Betreff: RE: SG2020  
>  
> >From a recent post:  
> >  
> >Speaking of the 2020, i was just at Seapac, the hamfest down  
> in Seaside, OR  
> >and was talking with the creator of the 2020, and the QRP+,  
> i can't remember  
> >his name, but anyway, he was saying that he just finished  
> another radio for  
> >SGC that now puts out 100watts and has the problems fixed.  
> He said that  
> they  
> >may call it the 2021. Hmm, well, i just wanted to throw  
> this in if anyone  
> >was interested.  
> >  
> Gee... Three rigs (or is it 3-1/2, considering the QRP++) and  
> five years to  
> get "the problems fixed". Even Microsoft (usually...) does better than  
> that! :-)  
>  
>  
>  
>

-----  
Date: Tue, 08 Jun 1999 15:01:52 -0400  
From: Zack Lau <zlau@arrl.org>  
To: qrp-l@lehigh.edu  
Subject: [42301] Re: Norcal 40 to other bands\!\!?  
Message-ID: <375D689F.17624486@arrl.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

International crystals now sells fundamental crystals up to 50 MHz.  
A 45.185 MHz VX0 and 4.915MHz IF should mix pretty cleanly for 6M.  
[www.icmfg.com](http://www.icmfg.com)  
73--Zack W1VT

-----  
Date: Tue, 08 Jun 1999 15:37:56 -0400  
From: Scott Howell <whowell@hq.nasa.gov>  
To: sjolin@swbell.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [42302] Re: RST question.  
Message-ID: <3.0.5.32.19990608153756.00812980@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I wasn't going to comment here, but you make some really good points. I'll give you a rst based on how well I copy you with all the filters etc. on or off. However I best optimize reception of the signal and then give an rst. Because afterall, how can I honestly give a report without making some attempt to clear things up a bit. TO give a rst of 449 and then kick all the filters and dsp on to bring it to a 579 wouldn't be fair. Why? because obviously that 449 signal is now a 579 and thus the true copy ability has been improved.  
So, be fair and realistic with your rst. If you can copy fb then say so if not then say so.

73 de Scott/n3byy  
Laurel MD

-----  
Date: Tue, 08 Jun 1999 12:51:40 -0700  
From: Bob Hightower <ki7mn@extremezone.com>  
To: qrp-l@lehigh.edu  
Subject: [42303] 2N2/40 Board Kits  
Message-ID: <199906081945.MAA07368@enterprise.extremezone.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

All gone (at least for now). I have shipped all the boards and crystals for which I have received payment. I'll give those who haven't paid a few days to remit, otherwise I'll open it up for those few that are left.

Thanks a lot for your support. This will go a long way toward making Ft Tuthill another big success! (Sold 117 kits, and all 100 crystal sets)  
72,73  
Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>  
-----

Date: Tue, 08 Jun 1999 13:49:53 -0600  
From: Bruce Kizerian <kizerian@ced.utah.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [42304] ElmeRadio Coil Part No.  
Message-ID: <375D73E1.2BCB2399@ced.utah.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The correct Part No. is G8538

Sorry

Bruce kk7zz

-----  
Date: Tue, 8 Jun 1999 22:12:30 +0200  
From: "Peter Zenker" <Peter\_DL2FI@csi.com>  
To: "'QRP-L via PoP3'" <qrp-l@lehigh.edu>  
Subject: [42305] Addendum / Correction  
Message-ID: <000301beb1ee\$8f1e1a00\$34a19ec1@zenkerpn>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A friendly fellow QRPer wrote:

>Your last point is not entirely correct, Peter: The QRP Quarterly gets very  
>little of its total income from advertising. Almost all of its costs are  
>covered by subscriptions.

Sory, fellow QRPers may be its because english is not my native language or  
this theme makes ma a little bit angry

To say it clear

In my posting I ment only commercial Mags and NOT QRP Club Mags like  
QRP-Quarterly, QRPp SPRAT, QRP-Report or RTTY club Mags or PR club mags or  
all the other mags made by enthusiasts for enthusiasts!!!!!!

And also I would like to say

There is NO other way for commercial mags to stay alive then then to lie and  
in the best case to hope, the readers could read between the lines.

And another truth:

If you miss an article about a new rig in a Ham Radio Mag, believe me they DID a test although there is no article!!!. Sometimes its the only way for an honest / honorable editor NOT to print a test article.

Sory agn, you HAVE to read between the lines.

Peter, DL2FI

-----  
Date: Tue, 08 Jun 1999 20:42:40 +0000  
From: wd8civ@att.net  
To: qrp-l@lehigh.edu (QRP-L Mailing List)  
Subject: [42306] Business opportunity?  
Message-ID: <19990608204416.ZEHX15544@webmail.worldnet.att.net>

(Sorry - I couldn't resist the pseudo-spam subject line.)

Forgive me if somebody's already thought of this, but I had an idea.

With all the discussion of Manhattan-style construction, I was thinking of ways to make pads for ICs and fine-pitch components. Does anyone (or has anyone considered) make(ing) and sell(ing) pads or pad arrays for ICs, either DIP or surface mount?

We use adaptors where I work to breadboard surface-mount chips, but these usually have pins to insert in a socket, or to wrap wire onto. I was thinking of just a flat piece of PC board material with traces on it to fan out from the chip's leads to larger pads that a human being has some hope of soldering to.

It seems to me that it could be a pretty good business opportunity. Just selling square or round pads punched out of copper-clad stock would be pretty low overhead - little equipment outlay, no tooling costs to speak of if you hired a machine shop to punch / shear the material and sweep up the pieces, and you could use board scraps that would otherwise end up in the \$1/pound bin.

Even having a PC board fabricator make small adapter boards would be relatively inexpensive. Most of the setup costs for commercial PC board production are for programming the routers and drills to cut out the individual boards from a panel (of hundreds in this case!) and make the holes for the leads. These adaptors would need no holes, and they'd be rectangular in shape, so a simple shear could cut them apart from the panel. And then cut up the scrap for pads...

So, can we expect to see a "NorCal Breadboard Kit" in the near future?

--

Dave Hinerman WD8CIV

-----  
Date: Tue, 8 Jun 1999 21:48:48 +0100  
From: Tayloe Dan-P26412 <Dan\_Tayloe-P26412@email.mot.com>  
To: "'nilsbull@juno.com'" <nilsbull@juno.com>  
Cc: "'qrpl'" <qrpl@Lehigh.EDU>  
Subject: [42307] Re: SWR Bridges, power & "non-inductive" resistors  
Message-ID: <87568F78ABDCD211A0AC0008C707718B319468@az10exm03.sat.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

> Lead up to question: I know, from experience at the Drake plant, that  
> the size of the sampling toroid & the wire what's sewed around it is not  
> seriously related to the power being poured through the pipes. But in the  
> resistive bridge, I have a feeling that I otter use something a bit more  
> husky than #28 or such gauge wire. Even with the other resistors in the  
> bridge & all that, there's gotta be some serious wattage going through  
> the rest of the circuit.

> Should I worry about that?

>73

>Nils

Nils:

The size of the wire is not an issue. The amount of power being

transferred to the LED side is not large. The design of the bridge cares more of the sensitivity at low reflected RF voltages. If the core or the windings becomes more lossy at high RF voltages, that is not a problem, as it just limits the LED brightness in the bad mismatch cases.

The design of the LED SWR bridge assumed QRP power levels were being used. With the 3:1 step up transformer, the LED goes out at less than 5 mw of reflected power. The step up transformer design is not all that appropriate at larger power levels such as 25+ watts.

However, if you want to use the bridge at both QRP and higher power levels by making use of high wattage resistors, you should raise the value of the 1000 ohm series LED resistor to a 2w, 10K type. That will allow

you to limit the LED brightness at full mismatch up to a 100w power level. The LED only draws a few microamps right before it goes out anyway, and at that point the series resistor is insignificant. Just before the LED goes out, the LED looks like a 300K load to the output of the transformer.

At full 5w mismatch,  $P=V*V/(2R)$  [assuming V is peak voltage], V peak = 22.3v.

Across the center of the bridge, the largest voltage seen (open or shorted antenna are the two worst cases) will be half the peak voltage delivered to the bridge, or 11.2v. The 3:1 step up transformer will further raise that to 33.6v. The 1K LED series resistor

will limit that voltage to roughly 30 ma peak, the average current being  $0.707 \times$  that, or about 21 ma. At this point, the 1K LED resistor dissipates about 0.6w of RF energy.

In hindsight, using a 2.2K or even a 4.7K resistor in the QRP version of the bridge might be more appropriate. The LED gets darn bright at full mismatch and the 4.7K will not affect the ultimate sensitivity of the bridge.

If you had high wattage 50 ohm resistors, 100w of RF produces 100v peak input voltage, 50v peak worst case across the center of the bridge, and 150v peak out of the 3:1 transformer.

At 150v, in order to keep the LED to 30 ma peak current (21 ma average), 5000 ohms is needed, but the series resistor would need to dissipate  $150v \times 0.02a$  or 3w. Since the extra brightness is not needed, using a 10K series resistor will dissipate only 1.5w, so a 2w resistor will work assuming intermittent duty at 100w.

However, the bridge LED sensitivity is still about the same. The LED will still not go out until the reflected power drops below 5mw. This will be

quite  
a bit harder to do with 100w than with 5w!

- Dan Tayloe, N7VE

-----  
Date: Tue, 8 Jun 1999 13:58:39 -0700 (PDT)  
From: Jeff <fantbb@yahoo.com>  
To: qrp qrp <qrp-l@lehigh.edu>  
Subject: [42308] Re: Power supply question for kits?  
Message-ID: <19990608205839.2203.rocketmail@web116.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

--- Kirk Job Sluder <csluder@indiana.edu> wrote:  
> I also have an old PC power supply from a 386 I  
> inhereted  
> with a bad motherboard  
> which claims a DC output of 6A at 12V. Could this be adapted to  
> power  
> either of these two  
> kits?

I had read that using computer power supplies wouldn't work all that well. However in real practice I have found that not to be true. My friend used one to power his RS 10 meter rig and it worked just fine. Seeing how QRP uses a lot less amperage it should work fine for you also.

Jeff  
===  
Jeff Jones  
AB6MB  
NorCal QRP Club #65, QRP-L #1780  
CW Forever!!!  
Ghost Hunter  
Owner of the Delta MudCats fantasy baseball team  
Long live Manchester United and the Oakland A's!!!!!!

-----  
Do You Yahoo!?  
Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Tue, 8 Jun 1999 16:34:25 -0500



From: "Michael Seedman" <mseedman@interaccess.com>  
To: <wd8civ@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [42309] RE: Business opportunity?  
Message-ID: <001101beb1f6\$ae32f980\$7a6295cc@mseedman.interaccess.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

A company named "wainright systems" has a full line of transmission lines, dip and smd platforms. The only problem is that their products are WAY too expensive. Sounds like a good opportunity to me...

Michael

> -----Original Message-----  
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of  
> wd8civ@att.net  
> Sent: Tuesday, June 08, 1999 3:43 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Business opportunity?  
>  
>  
> (Sorry - I couldn't resist the pseudo-spam subject line.)  
>  
> Forgive me if somebody's already thought of this, but I  
> had an idea.  
>  
> With all the discussion of Manhattan-style construction,  
> I was thinking of ways to make pads for ICs and  
> fine-pitch components. Does anyone (or has anyone  
> considered) make(ing) and sell(ing) pads or pad arrays  
> for ICs, either DIP or surface mount?  
>  
> We use adaptors where I work to breadboard surface-mount  
> chips, but these usually have pins to insert in a socket,  
> or to wrap wire onto. I was thinking of just a flat piece  
> of PC board material with traces on it to fan out from  
> the chip's leads to larger pads that a human being has  
> some hope of soldering to.  
>  
> It seems to me that it could be a pretty good business  
> opportunity. Just selling square or round pads punched  
> out of copper-clad stock would be pretty low overhead -  
> little equipment outlay, no tooling costs to speak of if  
> you hired a machine shop to punch / shear the material  
> and sweep up the pieces, and you could use board scraps

> that would otherwise end up in the \$1/pound bin.  
>  
> Even having a PC board fabricator make small adapter  
> boards would be relatively inexpensive. Most of the setup  
> costs for commercial PC board production are for  
> programming the routers and drills to cut out the  
> individual boards from a panel (of hundreds in this  
> case!) and make the holes for the leads. These adaptors  
> would need no holes, and they'd be rectangular in shape,  
> so a simple shear could cut them apart from the panel.  
> And then cut up the scrap for pads...  
>  
> So, can we expect to see a "NorCal Breadboard Kit" in the  
> near future?  
>  
> --  
>  
> Dave Hinerman WD8CIV  
>  
>  
>

-----  
Date: Tue, 08 Jun 1999 17:50:38 -0400  
From: mikemo@ibm.net  
To: fantbb@yahoo.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [42310] Re: Power supply question for kits?  
Message-ID: <375D902E.F3CCBE2@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

> I had read that using computer power supplies wouldn't work all that  
> well. However in real practice I have found that not to be true.

PLEASE keep in mind that many of the computer power supplies REQUIRE a load on the +5 volt line. If there is no load on the +5 line the other voltages may not be in spec. PLEASE check everything with a volt meter and a "dummy" load before you hook up any radio you care about. If the +12 is not working try to connect a power resistor from 5 volts to ground. You could try a 10 ohm, 5 watt resistor.

72 de ku4qo, Mike Maiorana, KU4QO

-----  
Date: Tue, 8 Jun 1999 17:05:14 -0500  
From: "Chuck Adams K5FO" <adams@ticnet.com>  
To: qrp-l@lehigh.edu  
Subject: [42311] HamCom and 2N22/40 boards  
Message-ID: <E10rSv2-0007us-00@pop3.ticnet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Gang,

Due to the pressure of HamCom it looks like the regen receiver isn't about to get off the ground in time. :-) ;-) Unless I happen to stay up late and I get the projects for HamCom completed in time.

But, I spent some time working on some other things more critical to the group at large that will be at HamCom. So personal projects will have to wait.

1. QRP-L V2.0 CDs, programming as many as I can. Taking a list if you will be at HamCom and want me to save you one.
2. Made up some PC board material ~6.5" square and I will bring the Audio Transformers that I previously posted. Again taking a list so that I won't be overwhelmed at HamCom. Taking a \$1 donation to pay for shipping of the remaining to other swapmeets for distribution.

Used the Harbor Freight shear from China to make up the boards and it works great. I'll show at the QRP table some ideas on making rig cases from PC material, so be sure to check it out. At 52Kgs that puppy (the shear) isn't something that you want to carry around from room to room. :-)

3. Phyllis has the digital camera in Waco today and when she gets back later tonight I'll take the picture of the rig collection and put it on the web page. When the picture is taken and posted then the K5FO collection of QRP rigs starts to be sold off over the next 6 months....

Hate to do it but the load to AZ has got to start  
to lighten up. So if you are coming to HamCom let me know  
if there is one that you are interested in and we'll start a  
discussion.....

FYI

Chuck Adams K5FO adams@ticnet.com <http://www.qsl.net/k5fo/>

-----  
Date: Tue, 8 Jun 1999 11:26:34 -0400  
From: hamjoel@juno.com  
To: qrp-1@lehigh.edu  
Subject: [42312] File' gumbo quad Wire/Rope  
Message-ID: <19990608.182955.-203507.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

high gang:

well I got the antenna crazies yesterday and ended uup with a real  
disaster... File' gumbo with no punch...

I looked around and found strips of wire (like strips of fish file' )  
and soldered them together to make one big mother of a long wire....  
kinda like making gumbo.... I used whatever I could solder together....

I took down my baton rouge (red dowels) which kinda of governs my  
antenna farm.... capital idea those dowels... work like a bad snake  
bite...

anyhow I put up two loops for forty meters spaced 14ft apart... and  
found the wire fighting with my pine trees and the wire hanging too close  
to the ground and the receiver showing nuttin much received and the tuner  
would not tune the thing flat... kinda like the kaos after a governors  
election in louisiana... :-)

Then a series of thunder storms showed up and I dropped the baton rouge  
to the ground to keep the antenna outta the lightning....threw the ant  
coax outta the window... and this morning I went out and put up a  
dipole...

My poor cajun mama watched all this and said nothing... but after I put  
up the dipole she an't stopped laughing...and giggling sumthin 'bout

"finally a high tech antenna".

The neighbors all paddled by in their pirogues just to see iffin the storm had flattened my antenna... biggest smile on some of them faces in years....

joel kella

in maine

a displaced cajun

-----  
Get the Internet just the way you want it.

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End of QRP-L Digest 1482

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